

FIG.1

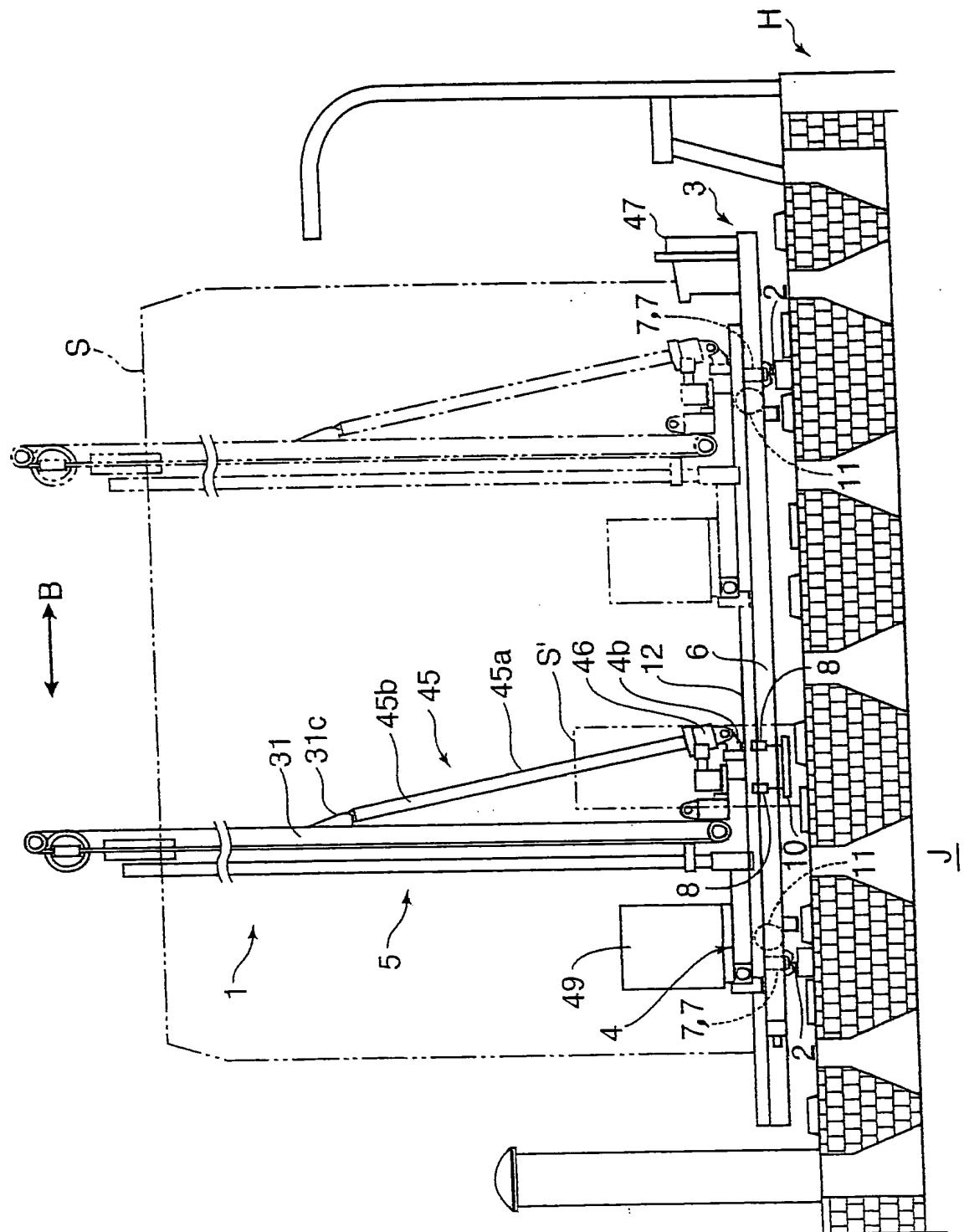


FIG.2

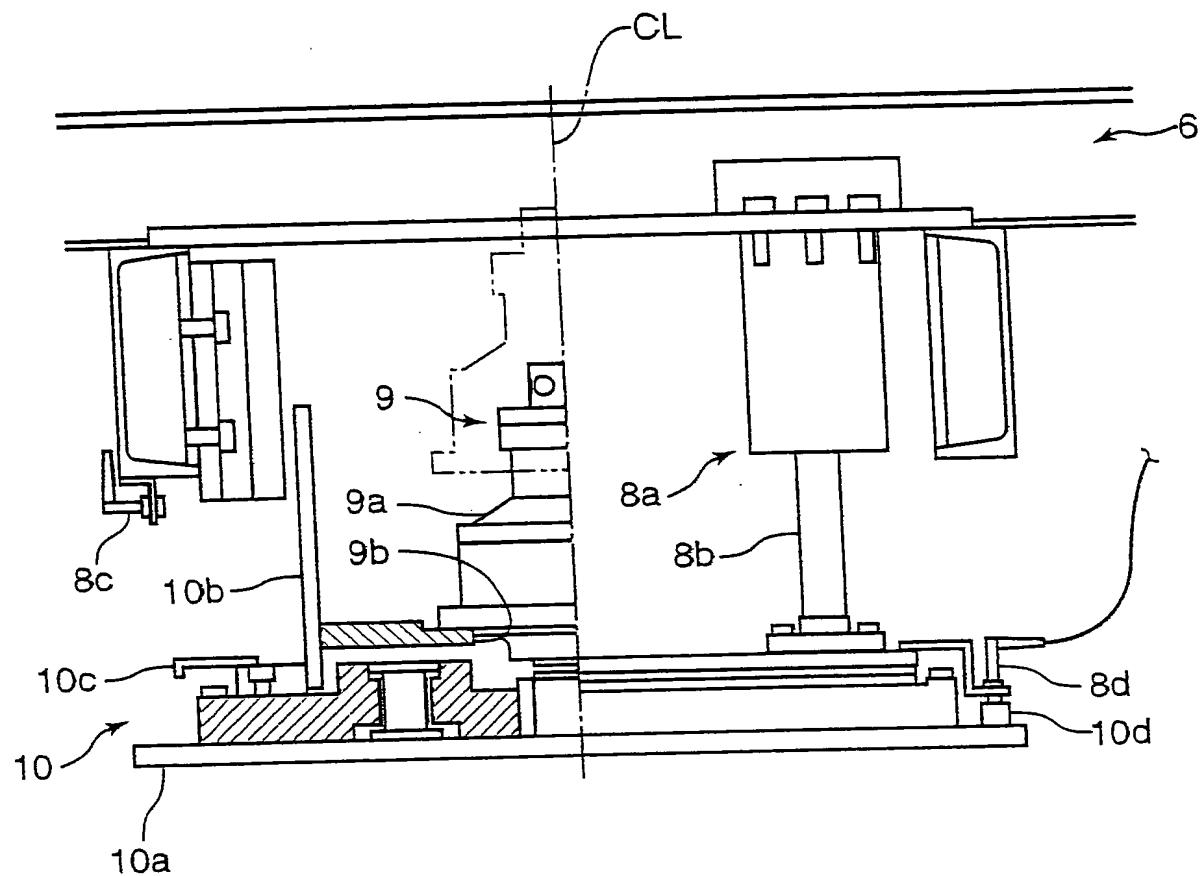


FIG.3

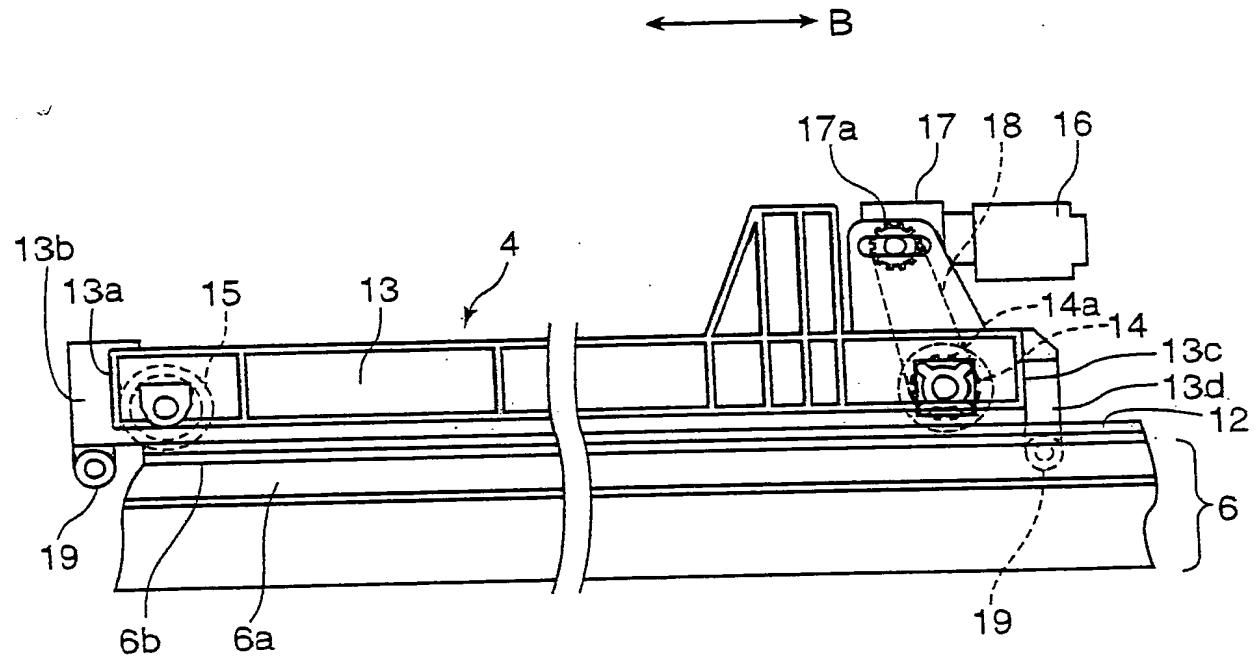


FIG.4

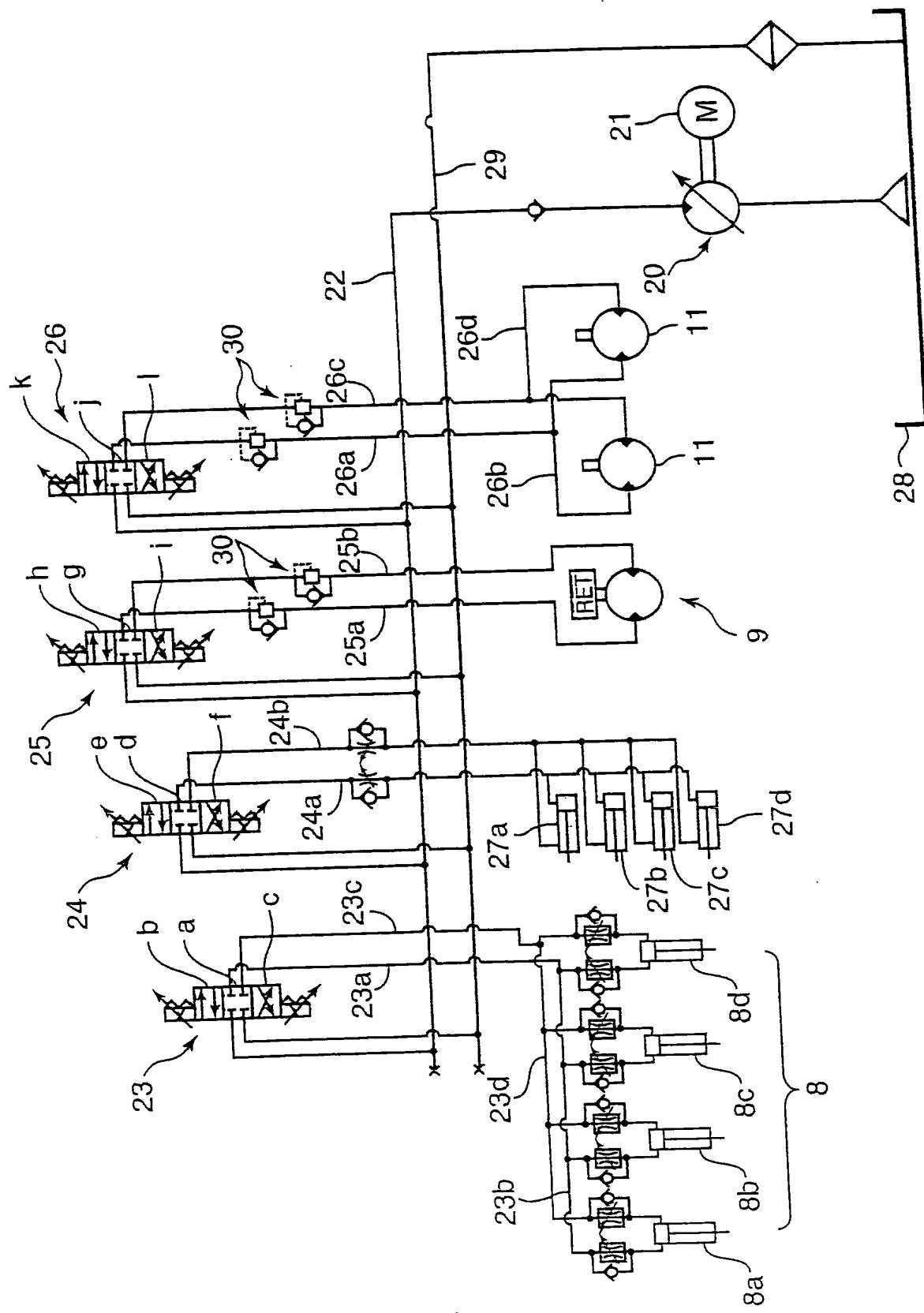


FIG.5

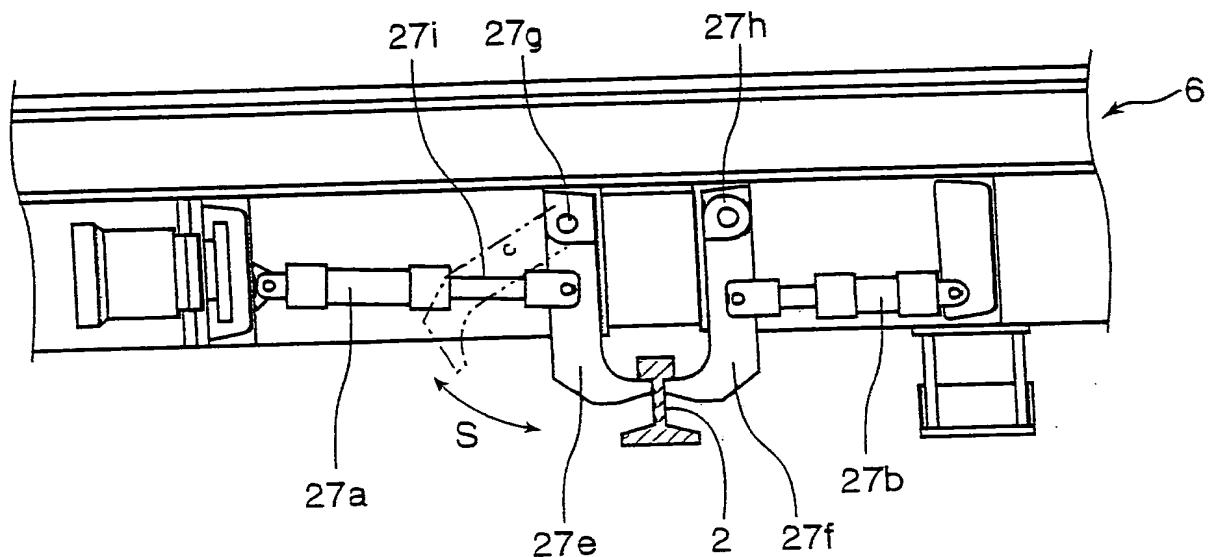


FIG.6

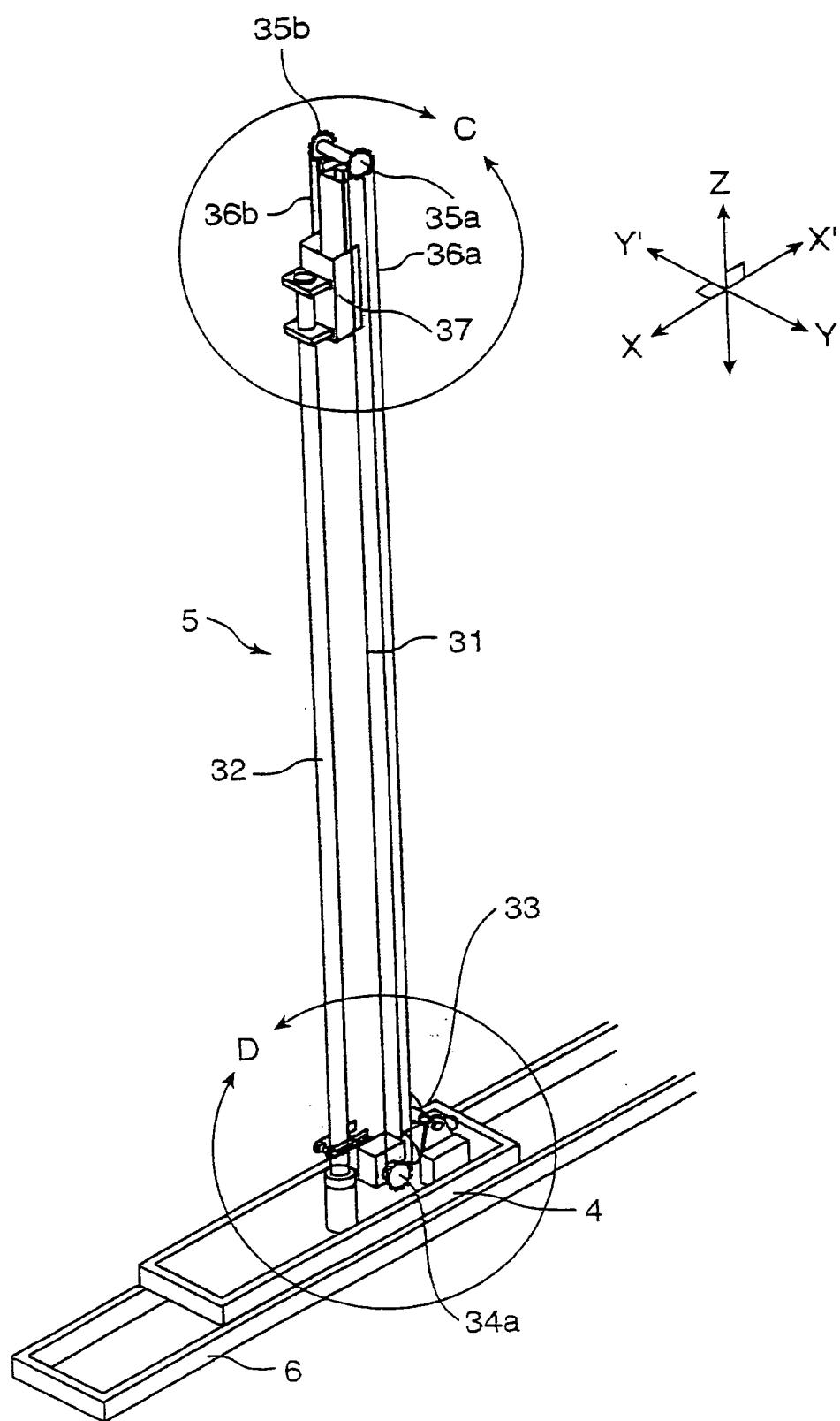


FIG.7

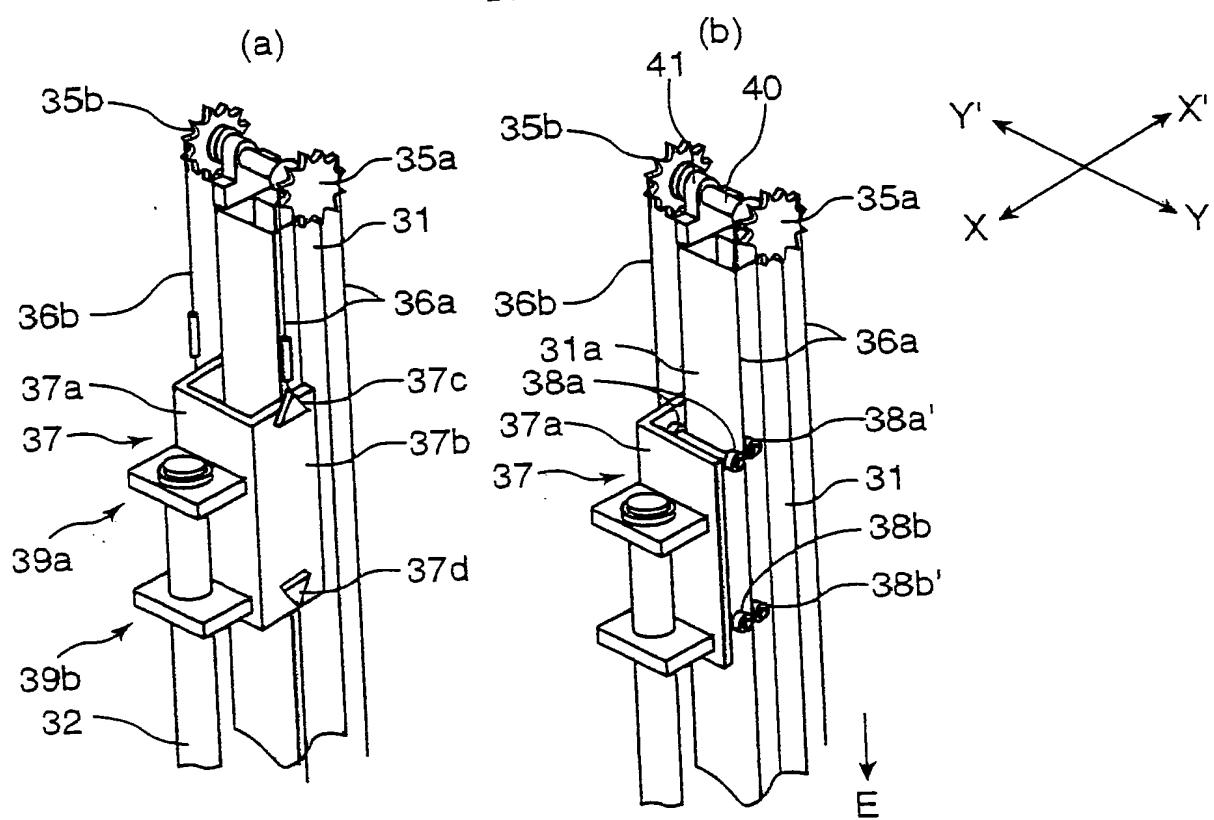


FIG.8

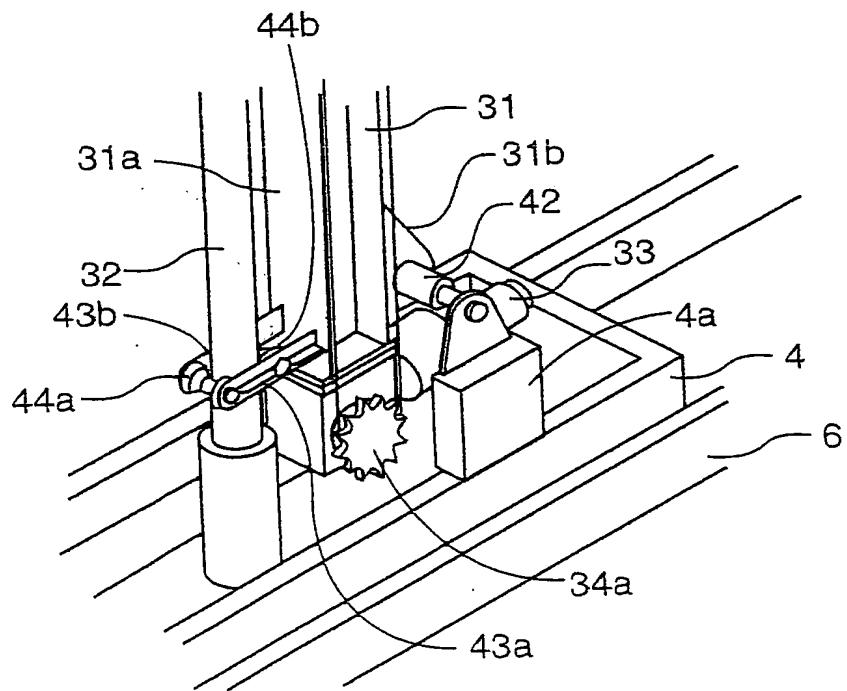


FIG.9

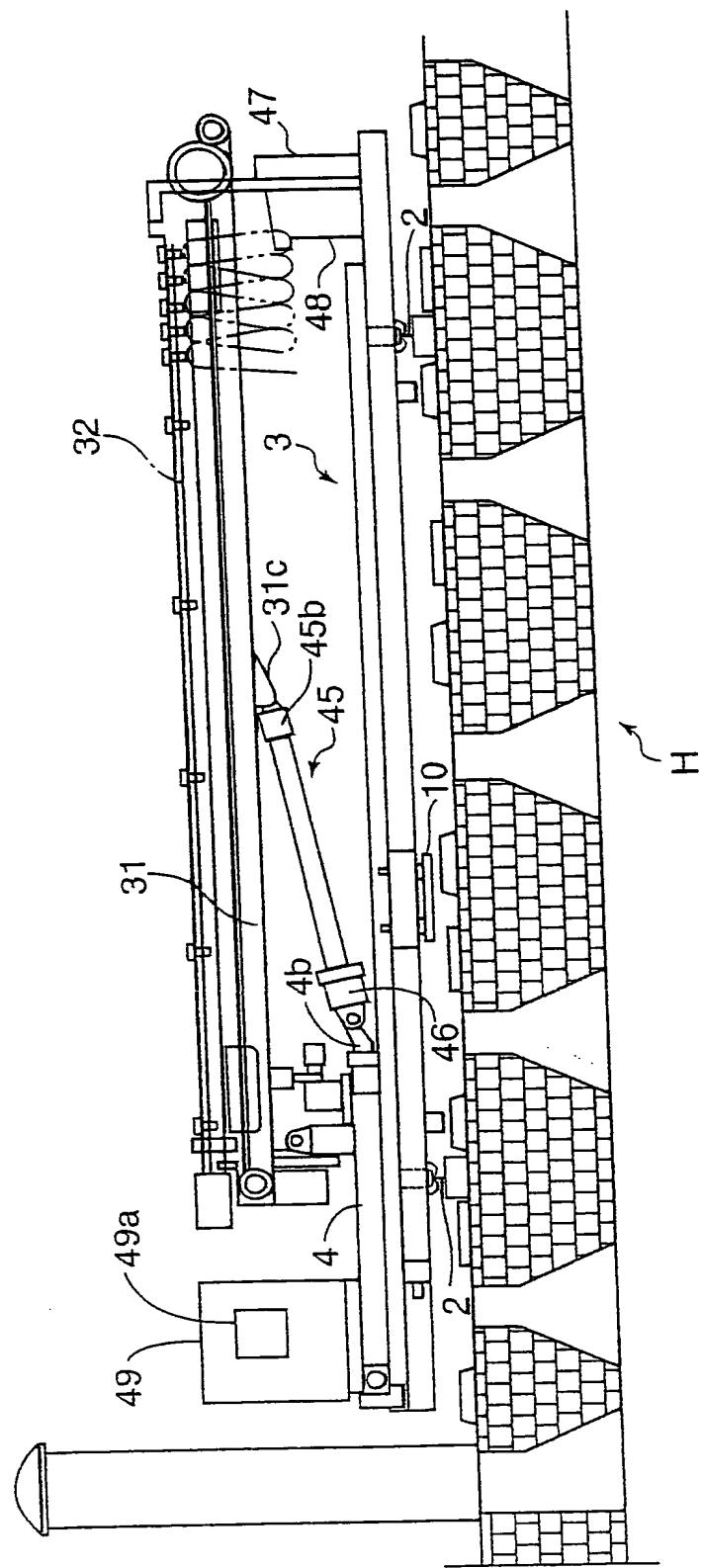


FIG.10

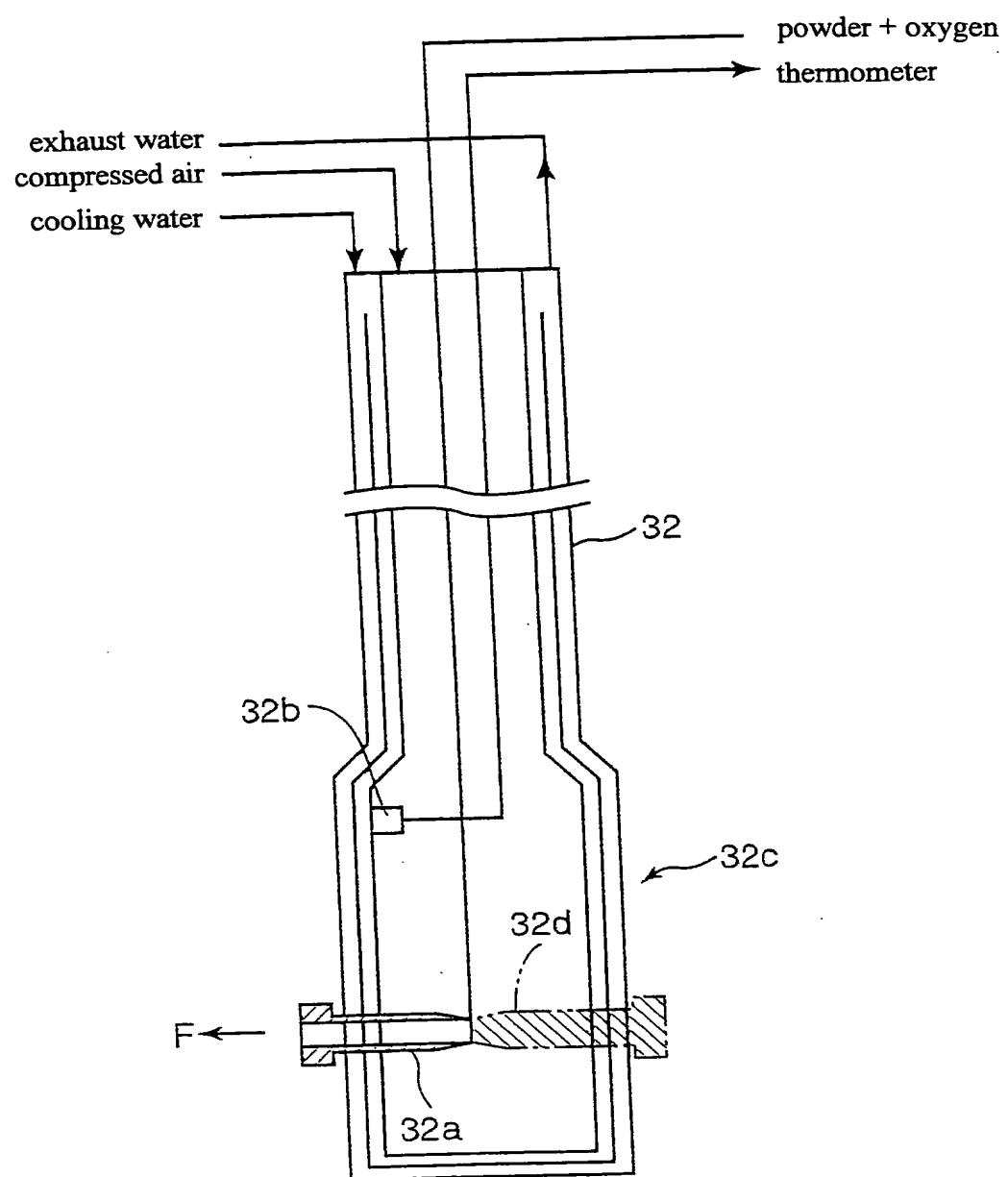


FIG.11

→ direction of coke oven length

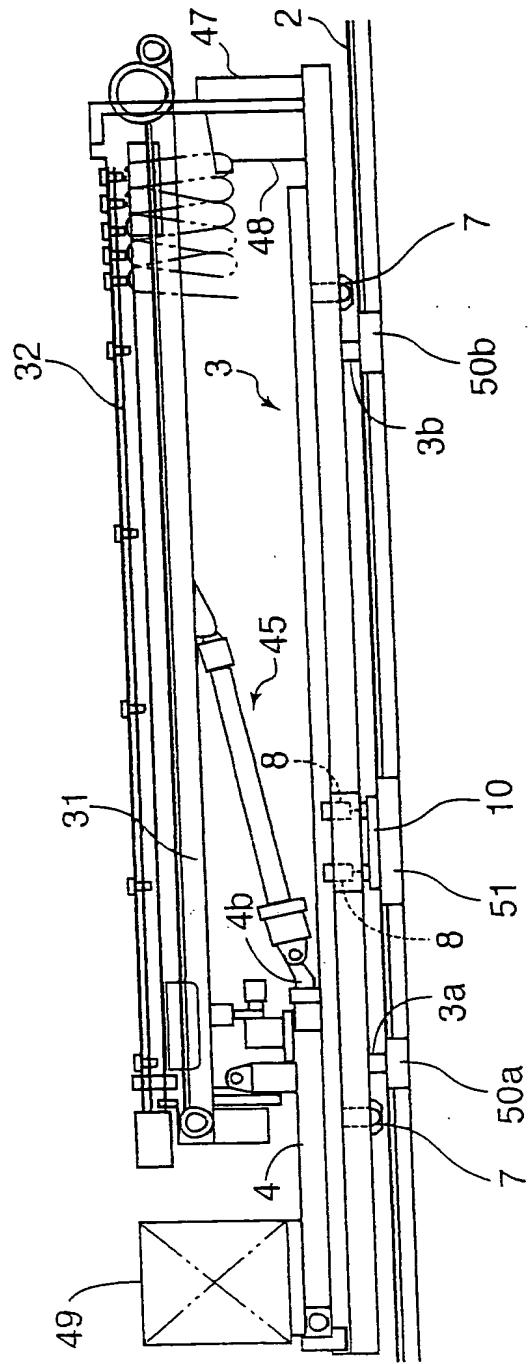


FIG.12

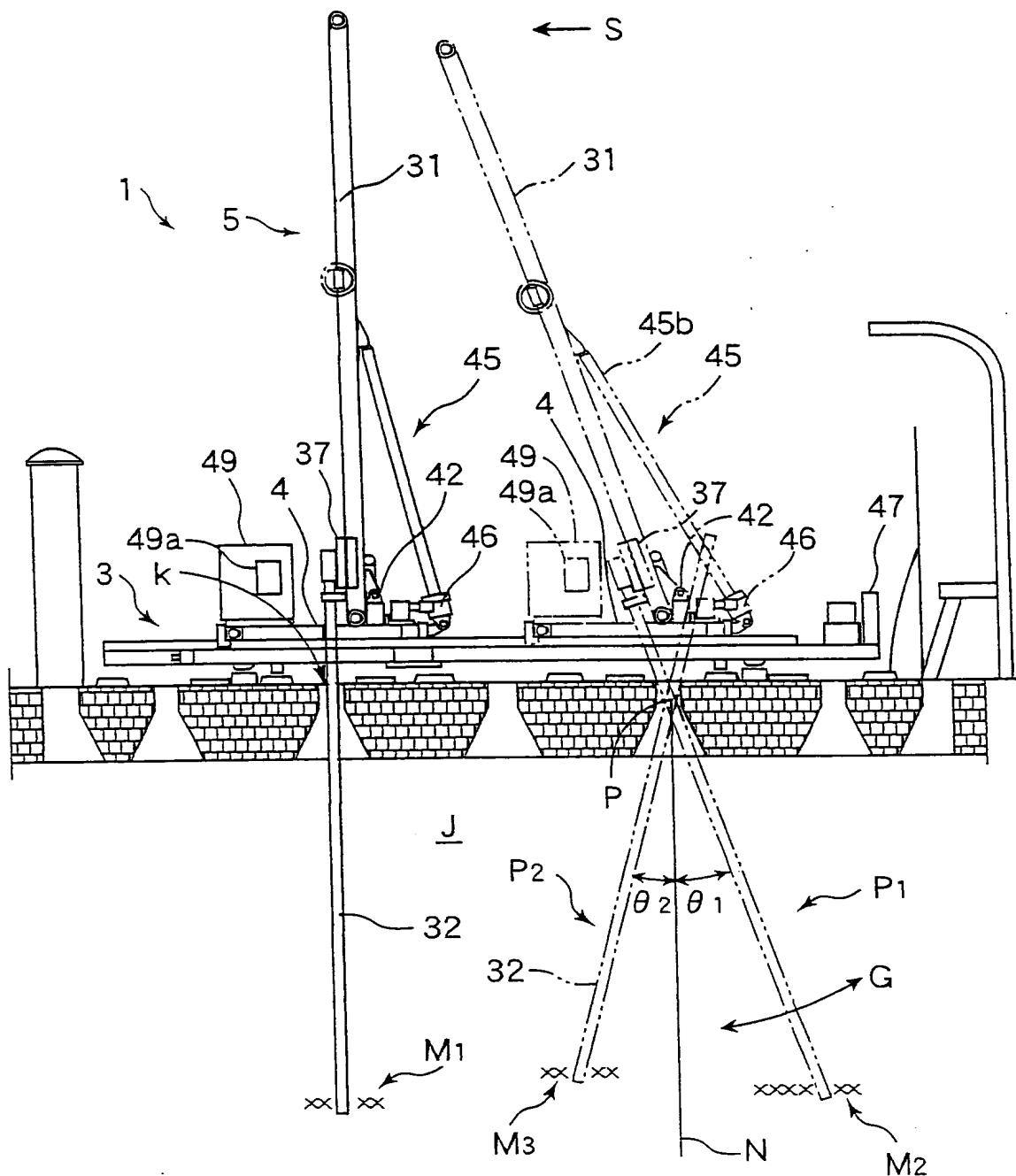


FIG.13

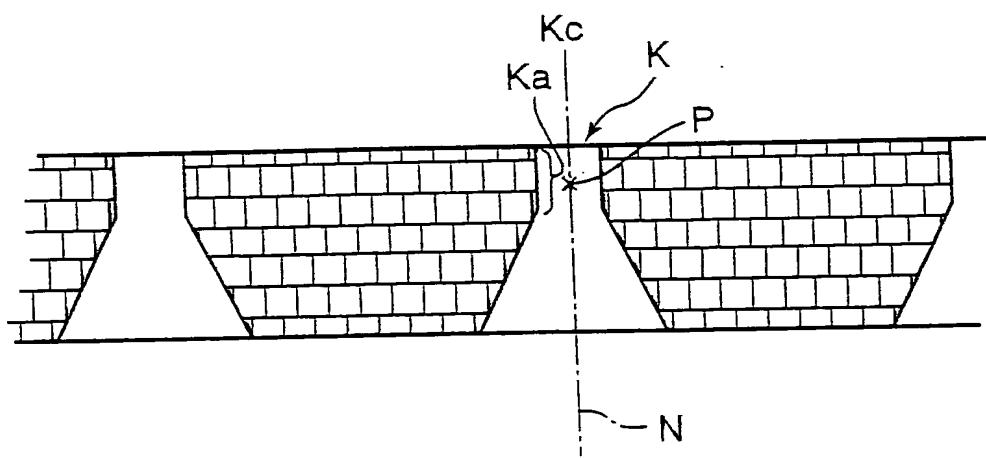


FIG.14

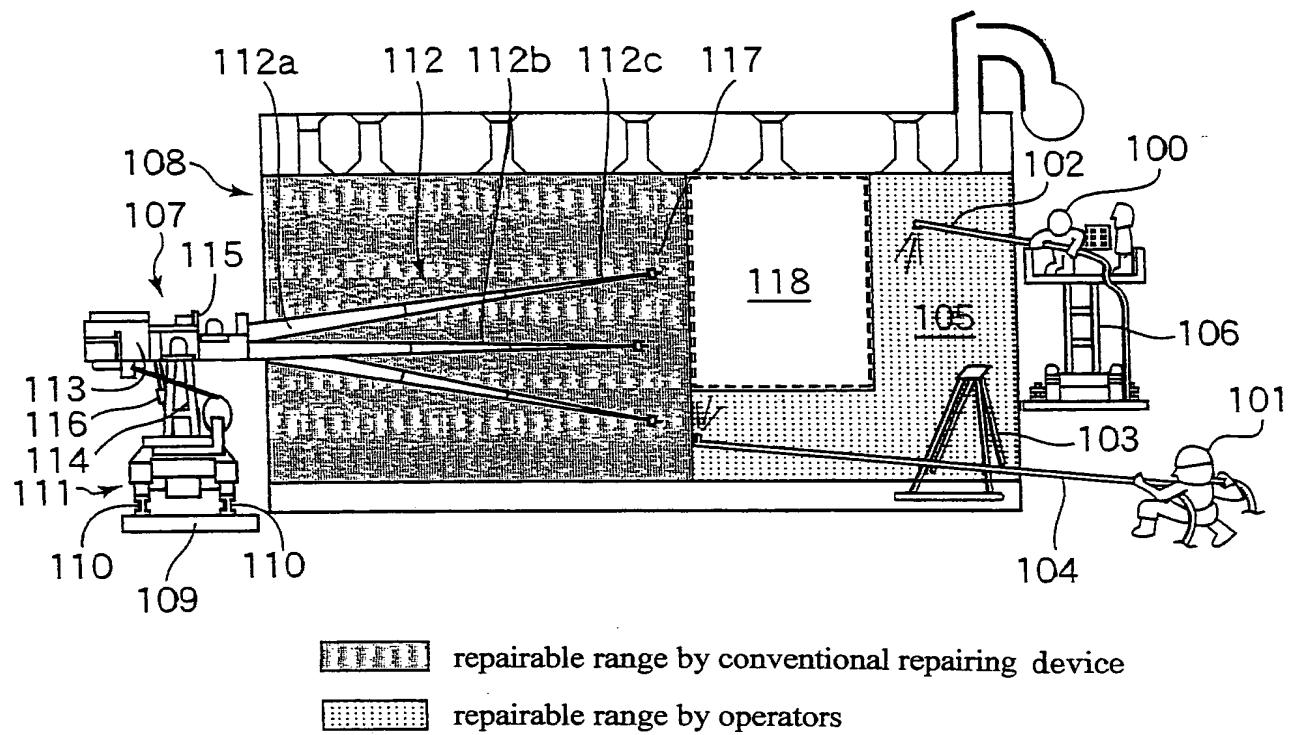


FIG.15

